



Pueblo Chemical Agent-
Destruction Pilot Plant

July 2007

A Partnership for Safe Chemical Weapons Destruction

Monthly Status Briefing

Pueblo Chemical Agent-Destruction Pilot Plant



Project Background

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- **The Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP) will safely destroy 2,611 tons of mustard agent in mortar and artillery projectiles stored at the U.S. Army Pueblo Chemical Depot in Pueblo, Colorado.**
- **The technology selected by the Department of Defense to destroy the Pueblo chemical weapons stockpile is neutralization followed by biotreatment.**
- **The Program Manager, Assembled Chemical Weapons Alternatives (ACWA), headquartered at Aberdeen Proving Ground, Maryland is responsible for managing all aspects of the safe and environmentally sound destruction of the chemical weapons stockpiles in both Colorado and Kentucky.**
- **The Bechtel Pueblo Team, a partnership of Bechtel National, Inc.; Washington Demilitarization Company; Parsons; and Battelle Memorial Institute, is the systems contractor selected to design, build, systemize, pilot test, operate and close the PCAPP.**



Safety

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PCAPP employees have worked more than
2.56 million job hours
without a lost-time injury



Safety Manager Terry Wells checks equipment that will be used to stretch fabric over Access Control Point structures.



Staffing

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- Total Bechtel Pueblo Team: 124
 - Pueblo – 106
 - Frederick – 17
 - Pasadena – 1
 - (San Francisco design office closed)
- Construction subcontractor employees: 75 – 100 daily





Acquisition Awards Status

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Total Awards - \$65 Million

- \$28.6 Million to Businesses in Pueblo County
- \$17.2 Million to Colorado Businesses (Outside Pueblo County)
- \$19.1 Million to Businesses Outside Colorado

70.6% of Awards to Pueblo County & Colorado Businesses

- 44.1% of Awards to Pueblo County
- 26.5% of Awards to Colorado Businesses (Outside Pueblo County)

As of 30 June 2007



Acquisition Awards Status

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FY 2007 Upcoming Awards:

- Multi-purpose Building (Civil)
- Shop Fabricated Tanks
- Bulk Pipe, Valves, Fittings and Flanges
- Reinforcing Steel (rebar), Structural Steel
- Fabricated Pipe (Carbon steel, Stainless steel, Hastalloy)
- Unarmed Guard Services
- Miscellaneous Construction Services to Include:
 - Ice Services, Bottled Water Services, Fabrication Services, Welding Supplies, Construction Lumber, Bottled Gases, and Paint/Sandblasting, Bulk Structural Shapes



Multi-Purpose Building

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The Multi-Purpose Building:

- First “vertical construction” on the plant site
- Approximately 40,000 square feet
- Current awards:
 - Building shell: Industrial Constructors and Managers, Inc., Pueblo, CO, \$1.6 million
 - Architect/engineer services: AES Group, Parker, CO, \$200,000
- Future awards:
 - Civil/Foundation
 - Plumbing
 - Electrical
 - Mechanical
 - Finish



Construction Status

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- Access road and fence complete
 - Access Control Point to open shortly
 - Duct bank 97%
 - Stormwater control system 87%
 - Underground utilities 62%
 - Temporary power and high-mast lights 56%



High-Mast Lighting

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Powerful high-mast lighting will illuminate the construction site. These photos show how the earth is mechanically bored to place the foundation for each mast.



Access Control Point

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Pueblo project managers go over final details in preparation for the opening of the Access Control Point through which all vehicles entering the project site must pass



Aberdeen Property Transfer

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Significant Cost Savings

Transfer of Excess Government Property From Aberdeen to Pueblo



Opportunity and Challenges

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OPPORTUNITY

- **Significant inventory available from the now-closed Aberdeen Chemical Agent Disposal Facility**
- **Potential savings of ~ \$10 million for PCAPP (and \$450,000 for Blue Grass)**

CHALLENGES

- **Working within accelerated Aberdeen closure schedule**
- **Evaluating condition, suitability, and potential use of equipment**
- **Obtaining warehouse space at Pueblo**
- **Dealing with large volume of property lists**



Types of Equipment/Material

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- **Process equipment**
 - **IONEX filter**
 - **Autoclave units**
- **Laboratory and analytical equipment**
- **Medical supplies**
- **Safety and environmental supplies**
- **Office equipment**
- **Construction tools and consumables**
- **PCAPP received approximately 40 shipments from Aberdeen between October 2005 and April 2007**



Materials transferred to PCAPP

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MATERIAL	TRANSFER VALUE
Miscellaneous Tools	\$17,240.90
Job Boxes	\$9,065.00
Spreader Bar	\$7,100.00
Servers & Storage Works Enclosure & Ultrium Tapes	\$9,233.00
Digital Recording Thermometers & Fire Retardant Plastic	\$2,152.54
Sea-van & Microwave Ovens	\$2,099.97
Titanium Parts & Misc. Tools	\$71,958.56
Handheld Radios	\$42,541.97
Scaffolding	\$28,820.90
Drum Liners, PH Meters, Pumps, Absorbent Pads	\$15,339.00
Clocks, Switches & Boom Lift	\$67,178.00
Computers, Printers, Monitors	\$71,198.72
Safety & Environmental Equipment	\$12,324.88
Handheld Radios & Miscellaneous Tools	\$89,724.06
Office Equipment (Desk & Cabinets)	\$11,407.60
Gauges	\$705.00
Construction Tools & Consumables	\$61,288.47
Glovebox/Glovebox Panel	\$675,936.00
Sea-vans, AC's, Flatbed Trailers, Farm Wagon	\$83,414.68
Autoclaves (accessories, forklift, powerpusher)	\$393,542.00
Environmental Supplies for Spill Containment (Drain Cover, Absorbent Pads, Absorbent Pillows)	\$986.00
Cabinet, Minicam Agent Detection System & Interface, Process Control	\$14,640.00
CCTV Equipment	\$30,191.75
Medical Supplies	\$50,710.53
Rack, Instrument, XSD Double Cabinet	\$27,900.00
Minicams Components, Analytical Instrumentation and Components, DAAMS Components, Lab Accessories	\$4,630,287.80
Titanium Parts & Scrap	\$123,785.80
IONEX Filters (2 = 1 set)	\$3,547,747.63
TOTAL	\$10,098,520.76



Benefits

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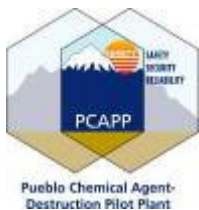
- **Value of PCAPP transferred equipment exceeds \$10 million, compared to packaging and transportation incurred costs of \$120,000**
- **Significant cost avoidance in procurement of new materials and equipment**
- **Transferred equipment will be used during construction, systemization and operations**
- **PCAPP staff obtained onsite warehouse from Pueblo Depot Activity Development Authority, which now receives revenue from leasing to PCAPP**



PCAPP 90-day look ahead

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- **Access Control Point staffed and operating**
- **Direct-hire construction**
- **Multipurpose building**
- **Natural gas pipeline**



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PCAPP Final Design